NORTH LAKE WASHINGTON TRIBUTARIES- TIER 1: SUMMARY OF PROPOSED ACTIONS TO PROTECT AND RESTORE HABITAT PROCESS, STRUCTURE AND FUNCTION

	HABITAT-FORMING PROCESSES — Headwater areas, wetlands, and sources of groundwater (e.g., seeps and springs) maintain temperature and hydrologic integrity	HABITAT-FORMING PROCESSES — Forests, wetlands, floodplains, and riparian buffers provide critical hydrologic processes that temper high flows, flashiness, and erosion, maintain low flows, protect water quality and temperature.	HABITAT-FORMING PROCESSES — Natural sediment recruitment, storage and transport processes support spawning gravel deposition and maintenance, as well as processes that support pool and riffle creation.	HABITAT FORMING PROCESS AND STRUCTURE — Channel connectivity (e.g., off-channel habitat) and complexity (e.g., large woody debris) contributes to channel stability and development of pools. Large woody debris also traps sediments, increases channel stability, and reduces water temperature.	HABITAT STRUCTURE — Adequate stream flows allow upstream migration and spawning.	HABITAT FUNCTION — Spawning areas in Bear Creek are a significant source of productivity and abundance for the North Lake Washington Chinook population and should be protected. Protection measures should include water quality and flows as well as instream habitat.
SUMMARY OF LAND USE ACTIONS						
Protection						
Offer incentives and regulations to protect riparian buffers. Limit impacts of trails and other facilities.		✓	✓	✓		
Minimize number and width of roads and stream crossings (e.g. SR 522).		✓	✓			✓
Manage fine sediments and metals through stormwater, clearing and grading ordinances			✓			✓
Investigate commercial/industrial development needs for stormwater facilities						✓
Investigate/address impact of municipal and other water withdrawals on flows					✓	
Headwaters wetlands, seeps, and critical aquifer recharge areas should be protected.	✓					
Salmon habitat needs should come first when considering wetland mitigation banking	✓	✓		✓		
Stand firm on not moving Urban Growth Area boundaries.	✓	✓				
Evaluate, improve, and enforce aquatic buffers and forest cover protections through CAO updates.	✓	✓	✓	✓		✓
Continue/expand acquisition programs for habitat. Work with land trusts, develop incentives.	✓	✓	✓	✓		✓
Adopt stormwater provisions to address high and low flows, flashiness, forest retention, low impact		✓	✓	✓	✓	✓
Protect Cold Creek Natural Area through critical area ordinances/CARAs.	✓					
Protect spawning areas through buffer/forest/floodplain protections, low impact development		✓	✓	✓	✓	✓
Reduce encroachment into existing Native growth protection easements (e.g., signs)		✓		✓		
Work with DOE: enforcement of illegal water withdrawals/education.					✓	
Restoration						
Develop incentives (e.g. reduced permit fees) to encourage reforestation and restoration.	✓	✓				
Retrofit existing roadways with stormwater BMPs (eg. SR 520/Avondale Road)			✓			✓
SUMMARY OF SITE-SPECIFIC ACTIONS						
Protection						
Purchase property/easements to protect riparian habitat, wetlands, headwaters.	✓	✓	✓	✓		✓
Restoration						
Remove channel constrictions from railroad bridge			✓	✓		
Reduce or remove bank armoring, riprap or artificial constrictions			✓	✓		
Add LWD			✓	✓		
In-channel restoration and channel reconfiguration			✓	✓		✓
Add water quality treatment for freeway runoff		✓				✓
Restore riparian buffers, remove invasives		✓		✓		✓
Reforest cleared areas and wetlands, add conifers	✓	✓				
Restore floodplains through farm plan		✓		✓		✓
Restore altered bog	✓	✓				
Restoration to reduce fine sediment inputs from equestrian activities			✓			✓
SUMMARY OF OUTREACH ACTIONS						
Protection						
Expand water conservation programs to decrease water consumption.					✓	
Work with real estate agents to supply buyers with information re: sensitive areas.	✓	✓				
Promote Waterworks grant program to monitor and maintain water quality.		✓				✓
Jurisdictions should cost-share stewards.	✓	✓	✓	✓	✓	✓
Update and distribute salmon educational materials, including LWD brochure.	✓	✓	✓	✓	✓	✓
Provide classes, tours, and assistance to implement livestock operation BMPs		✓	✓	✓		✓
Restoration						
Educate shoreline owners, landscape and building professionals on sustainable design.		✓		✓	✓	
Use restoration sites as demonstration sites; share designs and plans.		✓		✓	✓	✓
Use government cable channels to show progress of site-specific restoration projects. Distribute information to schools, libraries, community groups, etc.		✓		✓		✓